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# cappel

**FLUORESCHEIN-CONJUGATED GOAT IGG FRACTION TO  
HUMAN LAMBDA LIGHT CHAIN  
(FREE BENICE-JONES PROTEIN) - 2ML**

**Catalog #:** 55161

**Lot #:** 02802

Total Protein: 12.4 mg/ml

F/P Ratio: 4.8 mol/mol

## DESCRIPTION:

Product is the lyophilized powder of fluorescein-5-isothiocyanate (FITC "Isomer I")-conjugated goat IgG fraction to human lambda light chain (free) and buffer salts.

Antibody and FITC are conjugated under defined conditions to obtain the specified molar ratio (3-6 mol/mol). Conjugated protein is purified by gel filtration. The product is dialyzed into 0.02M sodium phosphate, 0.14M sodium chloride, pH 7.3, with 0.05% sodium azide, adjusted to standard titer, filtered through a 0.22  $\mu$ m filter, vialled, and lyophilized.

## USES:

This product is suitable for use as a reagent in immunofluorescence assays (IFA), cell staining (fluorescent microscopy and cell sorting), tissue staining, and blot immunostaining.

See **Related Product Ordering Information**.

## SPECIFICATIONS:

The total protein is measured using the Biuret procedure with bovine albumin as the standard; F/P ratio is calculated using absorbance at 491.5nm. Antibody titer of the IgG fraction is standardized with an in-house control by immunoelectrophoresis. The IgG fraction is tested for purity and specificity at 40 mg/ml using immunoelectrophoresis. The product is mostly goat IgG; no trace of albumin is detected. This product shows reactivity to human free lambda light chain; cross-reactivity to other species may exist. Antibody activity to Fab fragments with lambda or kappa light chains, to free kappa chains, or other non-immunoglobulin serum proteins is not present.

## DILUTION RECCOMENDATIONS:

1:100 - 1:400 for Tissue Staining  
1:250 - 1:1,000 for Immuno Blotting  
1:1,000 - 1:4,000 for ELISA/FIA

## RECONSTITUTION:

Reconstitute product with 2.0 ml of deionized or distilled water. Gentle swirling may be used to speed rehydration. Avoid vigorous shaking of the reconstituted material.

**STORAGE:**

Store lyophilized product at 2-8°C. Store reconstituted material no longer than 4 weeks at 2-8°C. For long-term storage, aliquot and freeze reconstituted product at -20°C or lower.

**WARNING AND CAUTION:**

This product is intended **FOR RESEARCH USE ONLY**, not for use in diagnostic or therapeutic procedures involving humans or animals.

This product contains sodium azide. To prevent formation of toxic vapors, do not mix with strongly acidic solutions. To prevent formation of potentially explosive metallic azides in metal plumbing, always wash into drain with copious quantities of water.

**RELATED PRODUCT ORDERING INFORMATION:**

Catalog #   Description   Size

55027 IGG GOAT ANTI-HUMAN LAMBDA (FREE)   5ML  
55108 GOAT ANTI-HUMAN LAMBDA (FREE)   2ML  
55984 NORMAL GOAT SERUM   2ML

  
Approved by: Joseph Dietz, Ph.D.  
Quality Control Director

**TO PLACE AN ORDER IN THE U.S., PLEASE CALL 800-854-0530  
OR TO OBTAIN TECHNICAL ASSISTANCE IN THE U.S., PLEASE CALL 800-279-5490  
OUTSIDE THE U.S., CONTACT YOUR LOCAL DISTRIBUTOR.**